

COVER SHEET FOR MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

Electrical Separation of Work

Dominion Virginia Power (DVP)

DVP will be providing a new service from a current pole location (probably pole G139) on the South side of Colonial Highway (Business Rt. 7) and route the service conductors along and under the Highway and terminate them in the current transformer (CT) cabinet to be mounted on the exterior of the Electrical Service/Control enclosures that is to be located along the existing treeline/fence between the pavilion and the road. DVP will also connect from the current transformers to meter which will be mounted adjacent to the CT cabinet. The Contractor will coordinate all work with DVP.

Loudoun County IFB QQ- 01594, Scott Jenkins Memorial Park

The Contractor shall supply and install all electrical and incidental items as noted in the Contract Plans, excluding the items as listed below for Loudoun Co. IFB-01605, to include, but not be limited to the following (a-g). This will exclude items as listed below as Loudoun County IFB QQ-01605.

- a) All Electrical Service/Control cabinets, enclosures, panelboards, circuit breakers, wireways, conduit, conductors, safety switches, disconnects, fuses, buses, distribution blocks and internal and external components, foundations and anchor bolts/assemblies;
- b) All trenching, duct banks, conduit, bell ends, ground rods, splice kits and conductors with incidental components;
- c) All Hand Holes and Junction/Pull Boxes;
- d) All electrical components to connect to on the premises side of the service point in the CT cabinet.
- e) All electrical components for toilet room, wells, irrigation system, scoreboard systems and commuter parking lot;
- f) All foundations and anchor bolts/assemblies for lighting and electric vehicle charging station
- g) Electrical Permits and Acceptance by Loudoun County
- h) Excludes items as listed below for Loudoun County IFB QQ-01605.

Loudoun County IFB QQ-01605, Electrical for Solar Lighting and Electrical Vehicle Charging Stations for the Scott Jenkins Memorial Park

The Contractor shall supply and install all electrical items as noted below:

- a) Supply and install the cabling for the power and the luminaires for twenty four (24) Light Emitting Diode (LED) Parking Lighting poles. The numbers and types of luminaires are shown on the drawings. The cabling will include all splice kits and incidental materials and will begin at the Panelboard and terminate at the connection to the luminaires.
- z
- b) Supply and install the cabling for the power and the charging station devices for five (5) Electric Vehicle Charging Stations (EVCS). The cabling will include all splice kits and incidental materials and will begin at the Panelboard and terminate at the connection to the charging stations.
- c) Supply and install twenty four (24) Solar Photovoltaic array sets (48 solar panels) mounted on 24 lighting poles as shown on the drawings. Solar array hardware will include the panels, the inverters, DC wiring, and AC wiring as determined by the hardware to be supplied. The solar photovoltaic power will be grid tie only. The Solar Photovoltaic arrays will utilize an azimuth tracking system... The foundations and anchor bolt assemblies are not included in Contract No. QQ-01605 and to be provided under QQ-01594;
- d) The Electric Vehicle Charging Stations will include hardware, software, and components as needed for billing usersf for power as detailed in the specification.
- e) Supply and install capabilities for five (5) future Electric Vehicle Charging Stations relative to the type approved for this project;
- f) Submit all required documentation as stipulated in the Contract Documents;
- g) Complete operation and acceptance of Items a) through d) as a part of Phase I , Part 1 of the Construction of the S. Jenkins Memorial Park;

THE SCOPE OF WORK OF THESE DRAWINGS INCLUDES:

ALL ELECTRIC POWER FOR THE PARK.
ALL PARKING LOT AND ENTRY LIGHTING
PLUMBING, MECHANICAL, AND ELECTRICAL FOR THE TOILET BUILDING
(EXCLUDING PRE-FABRICATED ITEMS)

CODE REFERENCES:

2006 VIRGINIA UNIFORM STATEWIDE BUILDING CODE AND ALL SUBSIDIARY CODES INVOKED THEREIN.

2005 NATIONAL ELECTRICAL CODE.

OTHER CODES AS SPECIFICALLY LISTED IN THE SPECIFICATIONS.

SHEET	TITLE	REVISION	DATE
E001	ELECTRICAL & MECHANICAL NOTES, SYMBOLS, DETAILS	PERMIT AND BID	10/5/2010
E002	ELECTRICAL PANEL SCHEDULES, NOTES	PERMIT AND BID	10/5/2010
E003	ELECTRICAL PANEL SCHEDULES	PERMIT AND BID	10/5/2010
E101	ELECTRICAL PLANS CENTER AND EAST	PERMIT AND BID	10/5/2010
E102	ELECTRIC POWER – WEST	PERMIT AND BID	10/5/2010
E103	ELECTRIC POWER – NORTH	PERMIT AND BID	10/5/2010
E104	ELECTRIC POWER – EAST	PERMIT AND BID	10/5/2010
E200	SOLAR PHOTOVOLTAIC SCHEMATIC DIAGRAM	PERMIT AND BID	10/5/2010
E201	SOLAR PHOTOVOLTAIC SCHEMATIC DIAGRAM	PERMIT AND BID	10/5/2010
E301	SOLAR PHOTOVOLTAIC PLAN CENTER AND EAST	PERMIT AND BID	10/5/2010
L001	SITE LIGHTING DETAILS	PERMIT AND BID	10/5/2010
L100	SITE LIGHTING WEST LAYOUT PHOTOMETRICS	PERMIT AND BID	10/5/2010
L101	SITE LIGHTING EAST LAYOUT PHOTOMETRICS	PERMIT AND BID	10/5/2010
L102	SITE LIGHTING DETAILS	PERMIT AND BID	10/5/2010
P100	PLUMBING	PERMIT AND BID	10/5/2010

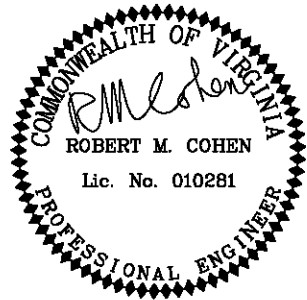
FOR PROJECTS IN VIRGINIA THIS SHEET IS THE COVER SHEET PRESCRIBED BY APELSCIDLA BOARD REGULATIONS DATED APRIL 1, 2009, SECTION 18 VAC 10–20–760 THAT CONTAINS A LIST OF DRAWINGS INCLUDED IN THE SET. THIS SHEET CONTAINS THE SEAL, ORIGINAL OR ELECTRONIC DIGITAL SIGNATURE, AND DATE. OTHER SHEETS OF THE SET CONTAIN REPRODUCED SEALS, SIGNATURES, AND DATES.

18 VAC 10-20-760. Use of seal (April 1, 2009)

B. An appropriately licensed or certified professional shall apply a seal to final and complete original cover sheets of plans, drawings, plats, technical reports and specifications and to each original sheet of plans, drawings or plats, prepared by the professional or someone under his direct control and personal supervision.

1. All seal imprints on the cover or first sheet of final documents shall bear an original signature and date. “Final Documents” are completed documents or copies submitted on a client’s behalf for approval by authorities or recordation. In such cases, the cover sheet of the documents or copies shall contain a list of drawings or plats included in the set on which a seal, original signature and date shall be affixed for all regulated disciplines. Every page of the submission, other than the cover, may be reproduced from originals which contain the seal, original signature and date by each discipline responsible for the work.

- a. An electronic seal, signature and date are permitted to be used in lieu of an original seal, signature and date when the following criteria, and all other requirements of this section, are met:
- It is a unique identification of the professional;
 - It is verifiable; and
 - It is under the professional’s direct control.



Digitally signed by Robert Cohen
DN: CN = Robert Cohen, C = US,
O = SED, OU = SED
Reason: I am approving this document
Date: 2010.10.05 13:16:31 -04'00'

THE ABOVE APPLIED ELECTRONIC SEAL, SIGNATURE AND DATE IS GENERATED AND APPLIED USING THE ADOBE ACROBAT VERSION 5.0 DIGITAL SIGNATURE TOOL AND IN A MANNER THAT MEETS ALL OF THE REQUIREMENTS OF 18 VAC 10–20–760 AS QUOTED ON THIS SHEET.

PERMIT AND
BID, NOT FOR
CONSTRUCTION
UNTIL
APPROVED BY
THE COUNTY
AND RELEASED
FOR USE

SOLAR ENERGY DESIGN, INC.
MECHANICAL AND ELECTRICAL ENGINEERS
3822 PRINCE WILLIAM DRIVE
FAIRFAX, VIRGINIA 22031-3821
PHONE 703-978-0873 FAX 703-978-9473
WWW.SED-INC.COM

NO.	DESCRIPTION	DATE	CHKD
REVISION			

PROFESSIONAL SEAL

PROJECT

SCOTT JENKINS
MEMORIAL PARK
PHASE 1 CONSTRUCTION PLAN
CATOCTIN ELECTION DISTRICT
LOUDOUN COUNTY, VIRGINIA

TITLE

MEP COVER SHEET

Patton Harris Rust & Associates
Engineers, Surveyors, Planners, Landscape Architects.

208 Church Street SE
Leesburg, VA 20175
T 703.777.3616
F 703.777.3725

DESIGN	RMC	SURVEY	
DRAWN	RMC	DATE	10/5/2010
CHECKED	ED	SCALE	NO SCALE
SHEET	CS	FILE NO.	13608-2-0

STPL #2009-0011